AMENDMENTS TO THE SPECIFICATION

Please substitute the following annotated paragraph for the paragraph starting on page 9, line 25 and ending on page 10, line 11 of the specification:

Figure 7 is an exemplary diagram illustrating a system for allocating a shared resource in accordance with an embodiment of the present invention. A system [[700]] for allocating a shared resource among a plurality of devices may include an Arbiter 710 with an Association Module 720, a Fill Rate Module 722, a Drain Rate Module 724, a Grant Determination Module 726, a Grant Access Module 728, and Other Module 730. Association Module 720 may associate a bucket to each one of the plurality of devices 740, 742 and 744 wherein the plurality of devices share one or more shared resource, as shown by 750 and 752. Fill Rate Module 722 may assign a fill rate to each bucket where each bucket accrues a predetermined number of credits for each time period the associated device is stalled. A Drain Rate Module 724 may assign a drain rate to each bucket where each bucket drains a predetermined number of credits for each time period the associated device is granted access to the shared resource. A Grant Determination Module 726 may compare each bucket to determine a grant bucket having the most number of credits at a specific time. A Grant Access Module [[726]] 728 may granting access to the shared resource (e.g., 750, 752) to the device associated with the grant bucket. Other 10 Module 730 may provide additional functionality associated with allocating a shared resource.